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# Spatial variability of oil properties within oil fields of the Republic of Tatarstan

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## Abstract

The purpose of this research is to establish the relation between variability of physical and chemical properties of oil and geodynamic activity of the oil fields of the Republic of Tatarstan on the basis of generalization, systematization and analysis of information on physical properties of oil collected during the period from 1956 to 2004. It has been experimentally established that oil extracted from reservoirs located within zones with low geodynamic activity differs a lot by its mean density from the oil related to geodynamically active areas. The results of the study show the significant role of processes of destruction and re-formation of oil deposits of the Tatar Arc and surrounding areas during the last neotectonic phase.

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## Keywords

Modern geodynamics, Neotectonics, Oil density, Oil viscosity